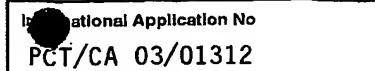
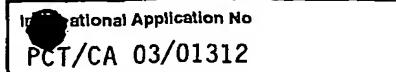
A. CLASSI IPC 7	H02J3/06		
According to	o International Patent Classification (IPC) or to both national class	sification and IPC	
	SEARCHED		
	cumentation searched (classification system followed by classification sys	cation symbols)	
Documenta	tion searched other than minimum documentation to the extent th	at such documents are included in the fields se	earched
Electronic d	lata base consulted during the international search (name of date	a base and, where practical, search terms used	)
EPO-In	ternal, WPI Data, INSPEC		
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the	relevant passages	Relevant to dalm No.
<b>A</b>	ROY L ET AL: "Comparative studiterative schemes applied to de load flow methods" ENERGY MANAGEMENT AND POWER DEL 1995. PROCEEDINGS OF EMPD '95., INTERNATIONAL CONFERENCE ON SIN 21-23 NOV. 1995, NEW YORK, NY, US, 21 November 1995 (1995-11-21), 277-282, XP010161556 ISBN: 0-7803-2981-3	Ecoupled IVERY, 1995 IGAPORE USA, IEEE,	
X Furth	ner documents are listed in the continuation of box C.	γ Patent family members are listed	In annex.
"A" docume considuation of the residuant of the course of	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified) and referring to an oral disclosure, use, exhibition or means and published prior to the international filing date but can the priority date claimed	"T" later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention  "X" document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an inventive and involve an invention being obvious in the art.  "&" document member of the same patent to the cannot be and the combination being obvious in the art.	the application but cory underlying the laimed invention be considered to cument is taken alone laimed invention rentive step when the re other such docu— is to a person skilled
	actual completion of the international search	Date of mailing of the international sea	гсћ героп
5 	December 2003	13/01/2004	
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Lorenzo Feijoo, S	



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Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
<u>-</u>		
A	ROY L ET AL: "Fast super decoupled state estimator for power systems" IEEE TRANSACTIONS ON POWER SYSTEMS, NOV. 1997, IEEE, USA, vol. 12, no. 4, pages 1597-1603, XP002263973 ISSN: 0885-8950 the whole document	
A	PATEL S B: "FAST SUPER DECOUPLED LOADFLOW" IEE PROCEEDINGS C. GENERATION, TRANSMISSION, DISTRIBUTION, INSTITUTION OF ELECTRICAL ENGINEERS. STEVENAGE, GB, vol. 139, no. 1, 1992, pages 13-20, XP000249444 ISSN: 0143-7046 cited in the application the whole document	
A	CA 2 107 388 A (PATEL SURESHCHANDRA B) 10 May 1995 (1995-05-10) cited in the application the whole document	
A	DAS J C: "Reactive power flow control and compensation in the industrial distribution systems" INDUSTRIAL AND COMMERCIAL POWER SYSTEMS TECHNICAL CONFERENCE, 1993. CONFERENCE RECORD, PAPERS PRESENTED AT THE 1993 ANNUAL MEETING ST. PETERSBURG, FL, USA 2-6 MAY 1993, NEW YORK, NY, USA, IEEE, US, 2 May 1993 (1993-05-02), pages 128-136, XP010110112 ISBN: 0-7803-0937-5 the whole document	4-11
A	MOHAMED A ET AL: "Voltage contingency selection technique for security assessment" IEE PROCEEDINGS C (GENERATION, TRANSMISSION AND DISTRIBUTION), JAN. 1989, UK, vol. 136, no. 1, pages 24-28, XP002263969 ISSN: 0143-7046 page 25-28	



		PCT/CA 03/01312
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	MOHAMED A: "Performance comparisons of AC load-flow techniques for real time applications" IEE PROCEEDINGS C (GENERATION, TRANSMISSION AND DISTRIBUTION), SEPT. 1991, UK, vol. 138, no. 5, pages 457-461, XP002263980 ISSN: 0143-7046 the whole document	
A	MOHAMED A ET AL: "Realistic power system security algorithm" IEE PROCEEDINGS C (GENERATION, TRANSMISSION AND DISTRIBUTION), MARCH 1988, UK, vol. 135, no. 2, pages 98-106, XP002263981 ISSN: 0143-7046 the whole document	
<b>A</b>	US 5 081 591 A (HANWAY JAMES E ET AL) 14 January 1992 (1992-01-14) cited in the application the whole document	

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	Informa	ition on patent family me	mbers		PCT/CA	03/01312
Patent document cited in search report	(4)	Publication date		Patent family member(s)		Publication date
CA 2107388	Α	10-05-1995	CA	2107388	3 A1	10-05-1995
US 5081591	A	14-01-1992	FR JP	2658930 4217817		30-08-1991 07-08-1992
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A. CLASSI	FICATION OF SUBJECT MATTER		
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C. DOCUME	ENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.
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Α	ROY L ET AL: "Comparative study iterative schemes applied to deco	Of two	
	load flow methods"	Jupreu	
	ENERGY MANAGEMENT AND POWER DELIV	VERY,	
	1995. PROCEEDINGS OF EMPD '95.,		
	INTERNATIONAL CONFERENCE ON SING 21-23 NOV. 1995, NEW YORK, NY, US		•
	US,	on, itte,	
	21 November 1995 (1995-11-21),	pages	
	277-282, XP010161556		
	ISBN: 0-7803-2981-3		
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X Furth	er documents are listed in the continuation of box C.	X Patent family members are listed in	annex.
° Special cat	regaries of cited documents :	"T" later document published after the Intern	national filing date
"A" documer	nt defining the general state of the art which is not ered to be of particular relevance	or priority date and not in conflict with the cited to understand the principle or the	ory underlying the
"E" earlier de	ocument but published on or after the international	invention "X" document of particular relevance; the ok	umed invention
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oltation	a cited to establish the publication date of another or other special reason (as specified)	"Y" document of particular relevance; the old cannot be considered to involve an invited in the considered i	entive step when the
"O" docume other m	nt referring to an oral disclosure, use, exhibition or neans	document is combined with one or mor ments, such combination being obvious	e other such docu- s to a person skilled
"P" documer	nt published prior to the international filing date but an the priority date claimed	in the art.  "&" document member of the same patent fa	urrity
Date of the a	otual completion of the international search	Date of mailing of the international search	ch report
		2 8 MEI 2004	
5	December 2003		
Name and m	ailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk		•
	Tel. (+31-70) 340-2040, Тх. 31 651 еро пц Fax: (+31-70) 340-3016	Lorenzo Feijoo, S	

PCT/CA 03/01312

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C.(Continut	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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Intermal Application No PCT/CA 03/01312

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<del> </del>	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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A	MOHAMED A ET AL: "Realistic power system security algorithm" IEE PROCEEDINGS C (GENERATION, TRANSMISSION AND DISTRIBUTION), MARCH 1988, UK, vol. 135, no. 2, pages 98-106, XP002263981 ISSN: 0143-7046 the whole document	
<b>A</b>	US 5 081 591 A (HANWAY JAMES E ET AL) 14 January 1992 (1992-01-14) cited in the application the whole document	

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mation on patent family members

Inter nat Application No	
PCY/CA 03/01312	

ted in search report		Publication date		Patent family member(s)		Publication date
A 2107388	A	10-05-1995	CA	2107388	A1	10-05-1995
S 5081591	A	14-01-1992	FR JP	2658930 4217817		30-08-1991 07-08-1992